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Abstract

The invention concerns an exhaust gas cleaning system for an internal combustion engine with at least one catalytically active component which is configured such that its catalytically active coating (1) comprises at least one region with high light-off temperature in combination with a high temperature resistance (2) and at least one further region with a low light-off temperature in combination with a reduced temperature resistance (3) in comparison with the at least one region. The exhaust-gas-side surface of the catalytically active coating (1) in the intake region of the catalytically active component has at least partially a diffusion layer (4) or is at least partially covered by a diffusion layer (4).

(FIG 1)

[see source for figures]

FIG 1

FIG 2

FIG 3

FIG 4

[y-axis:] Conversion

[x-axis:] Cat. length

FIG 5

[y-axis:] Conversion

[x-axis:] Cat. length